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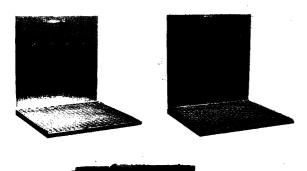
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- activate three sets of mutually exclusive codes
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- break an observation session into subsessions that indicate a change in environmental conditions
- temporarily suspend data collection when the subject(s) moves out of observable space
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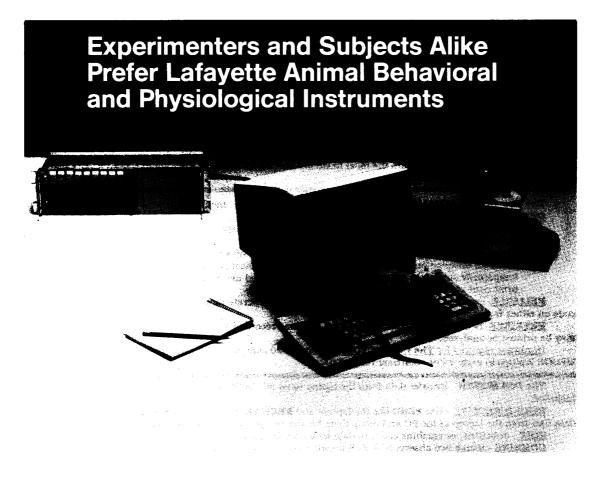
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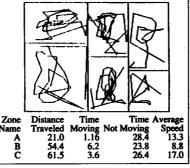
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SOFTWARE

- 1. For measuring motion of multiple objects moving across multiple user defined zones.
- 2. For the totalized motion of multiple objects in a single zone.
- 3. For distance traveled (in cm) and pattern of movements of multiple objects located in multiple user defined zones. (e.g. multiple animals located in separate cages-one animal per cage).
- 4. For rotations of a single animal. Can be combined with pattern of movements and distance traveled.
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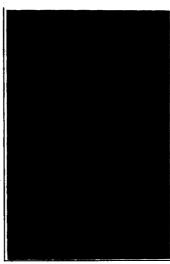
animal moving across many user defined zones (e.g. maze).

7. For counting the number of animals present at periodic intervals in each user defined zones.



8. "Water maze" program for measuring the pattern of movement and the distance traveled to the "goal" platform.

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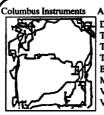
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- •1 to 16 cages (432mm x 432mm)
- •IBM-XT/AT compatible.
- •Stores "raw data" (x,y,z,t) animal coordinates for 24 hours on the hard disk
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- Separates ambulatory activity, rearing, rotations, time spent in different locations etc.
- •Infrared beam principle. 15 x 15 horizontal IR beams plus 15 vertical beams.
- •Also available with large animal cages 1m x 1m.

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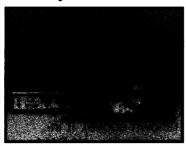
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Distance traveled 499.6
Time resting 83.2
Time ambulatory 16.8
Time stereotypic 19.9
Bursts of Stereotypic
Movements 125
Vertical-1 move 11
Vertical-2 move 5

Cage #1 Rat #7865 232 grams (Long-Evans) Session #00 03/11/87 Interval: 14:32 - 14:34

Auto-Track four cage system

Data printout and screen display

Inexpensive Activity Meter- "Mini"

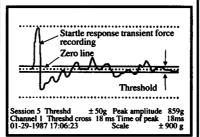


- •Works with standard molded plastic cages, 15 IR beams projected side to side.
- •Separates ambulatory from nonambulatory activity.
- •Interfaces to computers.
- •Can be combined in larger systems.

Equipment is also available for measuring:

- Cardiac output.
- •Respiration rate, VO₂/CO₂.
- •Animal coordination-Rota rods.
- •Tail-Flick/Hot plates.
- Blood Pressure.
- •Shuttle Boxes.
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Animal Exerciser allows VO₂/CO₂ measurements

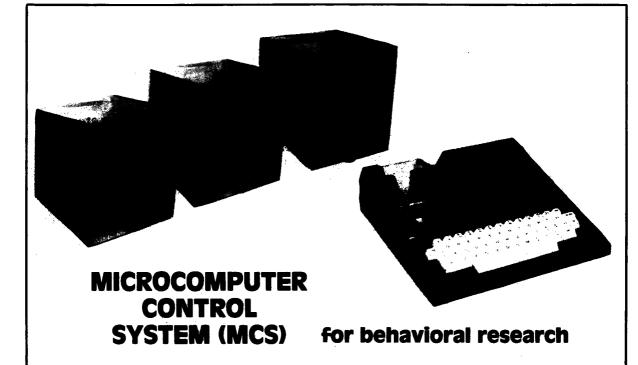


- Air tight animal compartments
- •Adjustable speed and tilt.
- •Can be combined with Oxygen Consumption Computer for VO₂/CO₂ measurements.

VO₂/CO₂ Measurements down to 10⁻⁶ Liter/Min. for animals, insects, plants, and tissue cultures.



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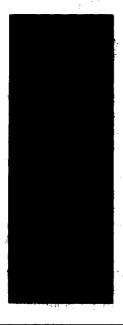
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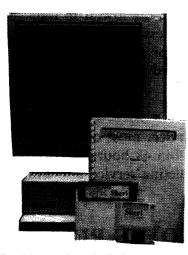
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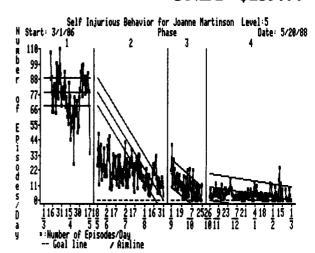
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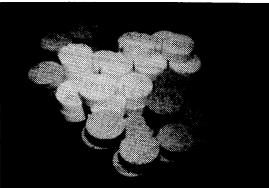
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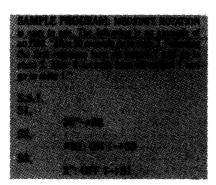
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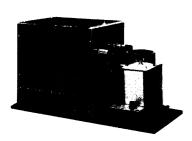
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